

**PATENT AMENDMENT TRANSMITTAL**

(Provisions of 37 CFR 1.136 Apply)

Application Number	10/077,184	Filing Date	February 15, 2002
Group Art Unit	2841	Examiner Name	Phuong T. Vu
Confirmation No.	9515	Attorney Docket No.	782_219
Inventor(s)	Naokuni MURAMATSU, Kenji SUZUKI, Tatsuya TSURUOKA, Susumu KAMINO		
Invention:	SETTING CONSTRUCTION OF SHIELD CASE OR PLANAR ANTENNA ON CIRCUIT BOARD		

Transmitted herewith is an Amendment in the above-identified application. The fee has been calculated as follows:

## CLAIMS AS AMENDED

(1)	(2) Claims Remaining After Amendment	(3)	(4) Highest Number Previously Paid	(5) No. of Extra Claims Present	(6) Rate (Large Entity)	(7) Additional Fee
TOTAL CLAIMS	8	MINUS	38	0	\$18.00	\$00.00
INDEP. CLAIMS	1	MINUS	0	0	\$84.00	\$00.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$00.00

## EXTENSION OF TERM

- ☐ Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.
- ☒ This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above-identified application. The requested extension and appropriate non-small entity fee are as follows:

<input checked="" type="checkbox"/> One Month (37 CFR 1.17(a)(1))	\$110.00
<input type="checkbox"/> Two Month (37 CFR 1.17(a)(2))	\$400.00
<input type="checkbox"/> Three Month (37 CFR 1.17(a)(3))	\$920.00

## TOTAL FEES DUE

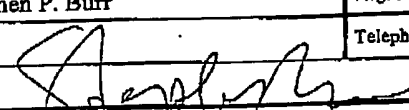
\$110.00

- ☐ Applicant claims small entity status. See 37 CFR 1.27. Therefore, the fee amount is reduced by one-half, and the resulting fee is:

## FEE PAYMENT

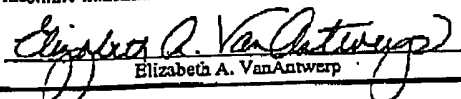
01/31/2003 RYSDM 00000001 501446 1007/184

- 01 FEB 2003
- ☐ No additional fee is required.
- ☐ A check in the amount of \$\_\_\_\_\_ is enclosed.
- ☒ Charge Deposit Account 50-1446 in the amount of \$110.00. Enclosed is a duplicate copy of this sheet.
- ☒ Please charge any fees which may be required, or credit any overpayment, to Deposit Account 50-1446.

Submitted By:			
Name (Print Type)	Stephen P. Burr	Reg. No.	32,970
		Customer No.	025191
		Telephone	(315) 233-8320
Signature		Facsimile	(315) 233-8320
		Date	January 27, 2003

## CERTIFICATION OF FACSIMILE TRANSMISSION

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Elizabeth A. VanAntwerp

**BURR  
&  
BROWN**101 South Salina Street  
Seventh Floor  
Syracuse, NY 13202**Before Final - Official**

Lr

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JAN 27 2003

January 27, 2003

TECHNOLOGY CENTER 2800

To: Examiner Phuong T. Vu Fax No. (703) 872-9318  
From: Stephen P. Burr Fax No. (315) 233-8320  
Re: In re the Application of: Naokuni MURAMATSU, Kenji SUZUKI, Tatsuya TSURUOKA,  
Susumu KAMINO

Serial No.: 10/077,184 Art Unit: 2841

Date Filed: February 15, 2002 Conf. No. 9515

Title: SETTING CONSTRUCTION OF SHIELD CASE OR PLANAR ANTENNA ON  
CIRCUIT BOARD

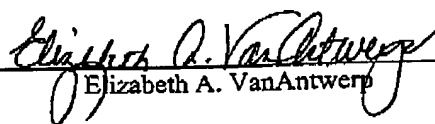
Our Docket No.: 782\_219

You should receive 9 page(s) including this cover sheet. If you do not receive all pages, please call  
(315) 233-8300.**COMMENTS:**I hereby certify that the following paper(s) is/are being facsimile transmitted to Examiner Vu at the Patent  
and Trademark Office on January 27, 2003:

	<u>Paper</u>	<u># of Pages</u>
1.	Amendment Transmittal (in duplicate) .....	2
2.	Amendment .....	6

Total Pages (including cover page)

9

  
Elizabeth A. VanAntwerp

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Practitioner's Docket No.: 782\_219

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Naokuni MURAMATSU, Kenji SUZUKI, Tatsuya  
TSURUOKA, Susumu KAMINO

Ser. No.: 10/077,184

Group Art Unit: 2841

Filed: February 15, 2002

Examiner: Phuong T. Vu

Confirmation No.: 9515

For: SETTING CONSTRUCTION OF SHIELD CASE OR PLANAR ANTENNA ON  
CIRCUIT BOARD

Assistant Commissioner for Patents  
Washington, DC 20231

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TRANSMISSION

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## AMENDMENT

TECHNOLOGY CENTER 2800

Sir:

In response to the Office Action mailed November 27, 2002, please amend the above-  
identified application as follows:

In the Claims:

Please cancel claims 1-38 without prejudice or disclaimer.

Please add new claims 39-46 as follows:

39. (New) A connection construction between a planar antenna and a circuit board  
installed in a wireless device,

said planar antenna comprising a planar antenna element, and a plurality of elastically  
deformable pins formed by bending a plurality of thin strips projected from a side end of the  
planar antenna element in substantially vertical directions with respect to a plane of the  
planar antenna element at a plurality of portions of the side end of the planar antenna  
element, and